

WHAT WE CLAIM IS:

1. A non-magnetic mono-component toner comprising, at least, a plurality of mother particles and a plurality of CCA particles which are attached to the mother particles,

said non-magnetic mono-component toner being characterized by satisfying the following equation:

$$a \times d < 2.5$$

wherein "a" is the inclination of an approximation straight line of said CCA particles adhering to said mother particles, obtained by approximating distribution of particle diameter of said CCA particles relative to the particle diameter of said mother particles by the least-square method, and "d" (μm) is the volume-based mean particle diameter of said toner.

2. A non-magnetic mono-component toner as claimed in claim 1, being characterized in that the amount of said mother particles to which no CCA particle adheres is 3.0% or less of the entire toner.

3. A non-magnetic mono-component toner as claimed in claim 1 or 2, being characterized by satisfying the following equation:

$$a \times d \geq 1.0$$

4. An image forming apparatus comprising:

a latent image carrier on which an electrostatic latent image is formed; and

a developing device having a conductive developing roller for carrying a non-magnetic mono-component toner to develop the electrostatic latent image on said latent image carrier, a toner supply means for supplying said non-magnetic mono-component toner to said conductive developing roller, and a toner regulating means for regulating the non-magnetic mono-

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component toner to be carried toward said latent image carrier and charging said non-magnetic mono-component toner, wherein

said non-magnetic mono-component toner is a non-magnetic mono-component toner claimed in any one of claims 1 through 3.

5. A toner comprising, at least, a plurality of mother particles and a plurality of additives which are added to the mother particles,

said toner being characterized by that the liberation ratio of liberated additives liberated from said mother particles is set to be equal to or less than a specified value corresponding to the additives.

6. A toner as claimed in claim 5, being characterized in that a CCA is used as one of said additives and the liberation ratio of the liberated CCA is set to be 1.0% or less.

7. A toner as claimed in claim 5 or 6, being characterized in that a pigment is used as one of said additives and the liberation ratio of the liberated pigment is set to be 0.6% or less.

8. A toner as claimed in any one of claims 5 through 7, being characterized in that the toner is a pulverized toner prepared by pulverization, and that at least one of a mold releasing agent and a pulverization assisting agent is used as one of said additives and the liberation ratio of the at least one of the mold releasing agent and the pulverization assisting agent liberated from the mother particles is set to be 0.4% or less.

9. A toner as claimed in any one of claims 5 through 7, being characterized in that the toner is a polymerized toner prepared by polymerization, and that at least one of an initiator and a dispersant to be added for polymerization reaction is used as one of said additives and the liberation ratio of the at least one of the initiator and the dispersant from the

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mother particles is 0.3% or less.

10. An image forming apparatus comprising:

a latent image carrier on which an electrostatic latent image is formed; and

a developing device having a conductive developing roller for carrying a toner to develop the electrostatic latent image on said latent image carrier, and a toner regulating means for regulating the toner to be carried toward said latent image carrier and charging said toner, wherein

said toner is a toner claimed in any one of claims 5 through 9.

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